

CLAIMS

1/ A relay antenna mast for a cellular radio telecommunications system, the mast being characterized in that it comprises:

- 5 · a mast stand (1);
 · at least one arm (3) pivotally mounted on said mast stand (1) and carrying at least one antenna (5); and
 · means for locking said arm in a position in which the antenna(s) is/are in a high position;

10 said arm (3) being suitable, when said locking means are disengaged, for being tilted about its pivot axis (4) to a position in which at least one antenna is at a height enabling it to be worked on by an operative at the foot of the mast.

15 2/ A mast according to claim 1, characterized in that the arm (3) extends on either side of its pivot axis (4) and carries counterweight-forming means (8) on its branch opposite from its branch carrying the antenna(s).

20 3/ A mast according to claim 2, characterized in that the counterweight-forming means (8) are adjustable in mass and/or in translation along the arm.

25 4/ A mast according to claim 1, characterized in that it includes a linkage comprising two elements (13a, 13b) fixed one to the mast stand (1) and the other to the arm, one (13a) of the elements carrying means (12) for fixing a retaining device (14) enabling the operative to control tilting of the arm.

30 5/ A mast according to claim 4, characterized in that the retaining device (14) is a removable device put into place by the operative prior to releasing the locking means, and subsequently removed once the locking means have been re-engaged after work has been carried out.

6/ A mast according to any preceding claim, characterized in that it comprises a plurality of arms (13a, 13b) pivotally mounted on a common mast stand.

5 7/ A mast according to any preceding claim, characterized in that an arm carries a plurality of antennas.

8/ A platform for a relay antenna mast in a cellular
radio telecommunications system for use in an urban area,
10 the platform comprising a relay antenna mast and a
protective guard rail, and being characterized in that
the antenna mast is a mast according to any preceding
claim.

15 9/ A platform according to claim 8, characterized in that
the antenna mast and the guard rail are carried on the
top of a building.

10/ The use of a tilting antenna mast to carry at least
20 one relay antenna in a cellular radio telecommunications
system.

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